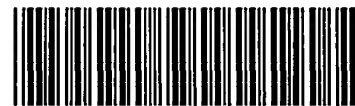


## **RAW SEQUENCE LISTING**

**The Biotechnology Systems Branch of the Scientific and Technical  
Information Center (STIC) no errors detected.**

Application Serial Number: 101 S74, 405A  
Source: JFWD  
Date Processed by STIC: 4/27/07

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IFWO

## RAW SEQUENCE LISTING

DATE: 04/27/2007

PATENT APPLICATION: US/10/574,405A

TIME: 11:30:24

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07.txt

Output Set: N:\CRF4\04272007\J574405A.raw

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3 <110> APPLICANT: Gazit , Ehud
4   Cherny, Izhack
6 <120> TITLE OF INVENTION: NOVEL ANTIBACTERIAL AGENTS AND METHODS OF IDENTIFYING AND
7   UTILIZING SAME
9 <130> FILE REFERENCE: 31689
C--> 11 <140> CURRENT APPLICATION NUMBER: US/10/574,405A
C--> 11 <141> CURRENT FILING DATE: 2006-03-31
11 <160> NUMBER OF SEQ ID NOS: 132
13 <170> SOFTWARE: PatentIn version 3.2
15 <210> SEQ ID NO: 1
16 <211> LENGTH: 19
17 <212> TYPE: DNA
18 <213> ORGANISM: Artificial sequence
20 <220> FEATURE:
21 <223> OTHER INFORMATION: Single strand DNA oligonucleotide
23 <400> SEQUENCE: 1
24 atgaactgta caaaaagagg                                     19
27 <210> SEQ ID NO: 2
28 <211> LENGTH: 23
29 <212> TYPE: DNA
30 <213> ORGANISM: Artificial sequence
32 <220> FEATURE:
33 <223> OTHER INFORMATION: Single strand DNA oligonucleotide
35 <400> SEQUENCE: 2
36 gacaagctta gtttcactca atg                                   23
39 <210> SEQ ID NO: 3
40 <211> LENGTH: 19
41 <212> TYPE: DNA
42 <213> ORGANISM: Artificial sequence
44 <220> FEATURE:
45 <223> OTHER INFORMATION: Single strand DNA oligonucleotide
47 <400> SEQUENCE: 3
48 gtgaaactaa tctggtctg                                       19
51 <210> SEQ ID NO: 4
52 <211> LENGTH: 26
53 <212> TYPE: DNA
54 <213> ORGANISM: Artificial sequence
56 <220> FEATURE:
57 <223> OTHER INFORMATION: Single strand DNA oligonucleotide
59 <400> SEQUENCE: 4
60 tgaagctttt caataatgat aacgac                               26
63 <210> SEQ ID NO: 5
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65 <212> TYPE: DNA
66 <213> ORGANISM: Artificial sequence
68 <220> FEATURE:
69 <223> OTHER INFORMATION: Single strand DNA oligonucleotide
71 <400> SEQUENCE: 5
72 gtacaatgaa ctgtacaaaa gaag 24
75 <210> SEQ ID NO: 6
76 <211> LENGTH: 26
77 <212> TYPE: DNA
78 <213> ORGANISM: Artificial sequence
80 <220> FEATURE:
81 <223> OTHER INFORMATION: Single strand DNA oligonucleotide
83 <400> SEQUENCE: 6
84 ccttttgaagc ttttcaataa tgataa 26
87 <210> SEQ ID NO: 7
88 <211> LENGTH: 13
89 <212> TYPE: PRT
90 <213> ORGANISM: Artificial sequence
92 <220> FEATURE:
93 <223> OTHER INFORMATION: Synthetic peptide
95 <400> SEQUENCE: 7
97 Arg Thr Ile Ser Tyr Ser Glu Ala Arg Gln Asn Leu Ser
98 1 5 10
101 <210> SEQ ID NO: 8
102 <211> LENGTH: 13
103 <212> TYPE: PRT
104 <213> ORGANISM: Artificial sequence
106 <220> FEATURE:
107 <223> OTHER INFORMATION: Synthetic peptide
109 <400> SEQUENCE: 8
111 Arg Thr Ile Ser Tyr Ser Glu Ala Ala Gln Asn Leu Ser
112 1 5 10
115 <210> SEQ ID NO: 9
116 <211> LENGTH: 13
117 <212> TYPE: PRT
118 <213> ORGANISM: Artificial sequence
120 <220> FEATURE:
121 <223> OTHER INFORMATION: Synthetic peptide
123 <400> SEQUENCE: 9
125 Arg Thr Ile Ser Tyr Ser Glu Ala Gly Gln Asn Leu Ser
126 1 5 10
129 <210> SEQ ID NO: 10
130 <211> LENGTH: 252
131 <212> TYPE: DNA
132 <213> ORGANISM: Actinobacillus actinomycetemcomitans
134 <400> SEQUENCE: 10
135 atgaatgtaa taagttattc tgcgtttcgt gcagaattgg caaccacact tgatcaggtg 60
137 gtagcagatc atagcccagt catgattacc agacaaaatg gcaaacacgc tggttgtaatg 120
139 agtttagaag atttcgcagc ttacgaagaa acggcttatt tattacgcag ccccaaaaat 180

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143 ctccaggaat ga                                          252
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147 <211> LENGTH: 255
148 <212> TYPE: DNA
149 <213> ORGANISM: Actinobacillus actinomycetemcomitans
151 <400> SEQUENCE: 11
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154 aaaaagacgt tggtgcgcac taataaactt atccaaaata ttaccagatc acctttcgaa      120
156 ggcttaggca atcctaaacc tttaaaacat cagttatccg ggttttggtc tagaagaata      180
158 gataaagagc atcgtcttgt ataccaagta tcggatagcc atttaacgat tattcaatgc      240
160 cgctatcact actaa                                          255
163 <210> SEQ ID NO: 12
164 <211> LENGTH: 255
165 <212> TYPE: DNA
166 <213> ORGANISM: Agrobacterium tumefaciens
168 <400> SEQUENCE: 12
169 atggcgcaatg tgcgatttac cgagttcagg cagaacttcg cgaccattt cgaccgggtt      60
171 ctggaaaccc gcgcgccatt gctcgtcacg cggcaaggca aagaggcggc cgtggtgctt      120
173 gccgaaggag aatatgagag catgcaggaa acgctgcac tcctgtccaa cccggcaaata      180
175 gcctcaaggc ttcgcgcgtc catgggcgaa cttgagcgcg gtgacaccat cgagcgggat      240
177 ccgaccgaag aatga                                          255
180 <210> SEQ ID NO: 13
181 <211> LENGTH: 270
182 <212> TYPE: DNA
183 <213> ORGANISM: Agrobacterium tumefaciens
185 <400> SEQUENCE: 13
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188 gctcgcacatg tcgagaaaat aaacgatctt atccgaaatg ccaaacgcac gccctttgca      120
190 gggcttgagg aaccggagcc tctgaagggc gatatggcag gatattggc tcggcggtt      180
192 accgccgagc atcggtttgt ctaccgtgta tccgggtccg gaagcgagca acggctggaa      240
194 gtcattcagt gccgcttcca ttaccaataa                          270
197 <210> SEQ ID NO: 14
198 <211> LENGTH: 246
199 <212> TYPE: DNA
200 <213> ORGANISM: Burkholderia cepacia
202 <400> SEQUENCE: 14
203 atgaacgtcc ttacttatag cgaggcgcgt gccggcttca agcaggcgat ggacgacgct      60
205 tgccgcgacac acatacccat gctgatcacg aggcagacgg gcgaaaacgt ggtgatgggt      120
207 tcgctcgcgg atttcaatgc gatgcaggag accttgatc tgttgagttc gtcgaagaac      180
209 gcccagcggc tcgcccgatc tatcgctcaa ctgaacgccg gcggtgcgac tgcgcgtaaa      240
211 ctgctg                                          246
214 <210> SEQ ID NO: 15
215 <211> LENGTH: 252
216 <212> TYPE: DNA
217 <213> ORGANISM: Burkholderia cepacia
219 <400> SEQUENCE: 15
220 atgttcaccg acgacgcgtg ggacgattac ctgtattggc aagagaccga ccggaaggct      60
222 gtgcgcaaga tcaacacgct gctggaggag tgccggcgcg atccttatcg cgttacgggg      120

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224 aaaccggagg cggtgatggg cagcatgagc ggattgtggt ctcggcgtat cacgctggcc 180
226 gaccgtcttg tctacttgcc gcgagacgga aagatctacg tgatcgctt tcgcttccac 240
228 tacgactgct ga 252
231 <210> SEQ ID NO: 16
232 <211> LENGTH: 255
233 <212> TYPE: DNA
234 <213> ORGANISM: Coxiella burnetii
236 <400> SEQUENCE: 16
237 atgaacgtag ttacttttag cgaactcagg gcgcaactta aaaaaatctt ggatctttcc 60
239 gccgatcaac acgaacctgt cgctgttaaa cggccaaata aagaaacat ggatctttta 120
241 tctttacgag actttgaggc tctaaaagaa acagcttatc tcttaagtaa cgaagctaata 180
243 gcggcccgctc ttcgtcagtc tatccgcagc ttaaaacaag gcaaggcaca aaaaaagaaa 240
245 ttaatggaag attaa 255
248 <210> SEQ ID NO: 17
249 <211> LENGTH: 276
250 <212> TYPE: DNA
251 <213> ORGANISM: Coxiella burnetii
253 <400> SEQUENCE: 17
254 atgcaaattt ccttcacgcc cgaagcctgg gaagattatt tatattggca aaaattcgac 60
256 aaaaaaatgc ttcgacgcat taatgaactc attaaggatg ctatgcacga gcctttttcc 120
258 ggaaagggaa agccagaacc tttaaaattt gaattacaag gatattggtc aagacgatta 180
260 gatcaagaac atcgattggt ctacaaagtt ttagacgatt cgtaaatgat tatcgccgca 240
262 agatttcact ataatcgctt taattctaaa aactga 276
265 <210> SEQ ID NO: 18
266 <211> LENGTH: 279
267 <212> TYPE: DNA
268 <213> ORGANISM: Escherichia coli
270 <400> SEQUENCE: 18
271 atgaactgta caaaagagga gattgacatg cgtacaatta gctacagcga agcgcgtcag 60
273 aatttgctcg caacaatgat gaaagccggt gaagatcatg ccccgatcct tattactcgt 120
275 cagaatggag aggcttgtgt tctgatgtca ctggaagaat acaactcgct ggaagagacg 180
277 gcttatctac tgcgctcccc cgctaacgcc cggagattga tggactcaat cgatagcctg 240
279 aatcaggca aaggaacgga aaaggacatc attgagtga 279
282 <210> SEQ ID NO: 19
283 <211> LENGTH: 255
284 <212> TYPE: DNA
285 <213> ORGANISM: Escherichia coli
287 <400> SEQUENCE: 19
288 gtgaaactaa tctggtctga ggaatcatgg gacgattatc tgtactggca ggaaacagat 60
290 aagcgaattg ttaaaaagat caatgaactt atcaaagata cccgcagaac gccatttgaa 120
292 ggtaagggga agccagaacc cctgaaacat aatttgctcag gcttctggtc ccgacgcatt 180
294 acagaggagc accgtctggt atacgcggtt accgacgatt cactgctcat tgcagcgtgt 240
296 cgttatcatt attga 255
299 <210> SEQ ID NO: 20
300 <211> LENGTH: 270
301 <212> TYPE: DNA
302 <213> ORGANISM: Enterococcus faecium
304 <400> SEQUENCE: 20
305 atggaagcag tagcttattc aaatttccgc caaaatttac gtagttatat gaaacaagtt 60

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307 aatgaggatg ctgaaacact tattgtaaca agtaaagatg tagaagatac agttgttgta 120
309 ttatcaaaaa gagattatga ttctatgcaa gaaacgttga gaacactttc taataattac 180
311 gtcattggaaa aaattcgtcg aggagatgaa caattctcca aagggtgcatt taaaacacat 240
313 gacttaatcg aggttgaatc tgatgattaa 270
316 <210> SEQ ID NO: 21
317 <211> LENGTH: 258
318 <212> TYPE: DNA
319 <213> ORGANISM: Enterococcus faecium
321 <400> SEQUENCE: 21
322 atgattaagg cttggtctga tgatgcttgg gatgattatc tttattggca tgagcaagga 60
324 acaaaaagca atataaaaaa gattaacaag ttaataaaaag atatcgatcg ttcccccttt 120
326 gctggattag gaaaacctga gccattaaag catgatttat ctggaaaatg gtccagaaga 180
328 attacagatg aacatagact gatatataga gttgaaaatg aaacgatatt tattttattct 240
330 gcaaaagatc actattaa 258
333 <210> SEQ ID NO: 22
334 <211> LENGTH: 258
335 <212> TYPE: DNA
336 <213> ORGANISM: Francisella tularensis
338 <400> SEQUENCE: 22
339 atgcaaaccg ttaattattc aactttttaga aatgaactat ctgattcaat ggatagagta 60
341 acaaaaaaat atagtcctat gattgtaact agaggttcaa aaaaagaagc agttgttatg 120
343 atgtcgttag aggatttttaa agcttatgaa gaaacagcct atcttatgag aagcatgaac 180
345 aactataaga gactacaaaa ttctattgat gaagtagaat ctggtttagc tatccaaaaa 240
347 gagttgattg aagaatga 258
350 <210> SEQ ID NO: 23
351 <211> LENGTH: 207
352 <212> TYPE: DNA
353 <213> ORGANISM: Francisella tularensis
355 <400> SEQUENCE: 23
356 atgatacttt cttggtcaac taatgcttgg gaagattatc tatattggca aagcatagat 60
358 aagaaaaagc taaaacggat taatttgcta atcaaagaca ttatgagaaa tcactttgag 120
360 ggattaggag agcctgaacc tttgaagcat aatttctctg gttattggtc tagacgaata 180
362 gacaaagaac atctgaataa tctataa 207
365 <210> SEQ ID NO: 24
366 <211> LENGTH: 222
367 <212> TYPE: DNA
368 <213> ORGANISM: Klebsiella pneumoniae
370 <400> SEQUENCE: 24
371 atgagaacgg ttaactatag cgaagcccgg caaaatctgg ccgatgtgct ggaaagcgca 60
373 gtgacaggtg tacctgtgac cattaccggt cgtgggcata aatctgcagt catcattagt 120
375 gcagaagagt ttgaacgcta ccaggcggcc agaattggatg atgagttcgc ggctatcatg 180
377 gcggttcatt gtgatgagat caggagactt gcggataaat ga 222
380 <210> SEQ ID NO: 25
381 <211> LENGTH: 369
382 <212> TYPE: DNA
383 <213> ORGANISM: Klebsiella pneumoniae
385 <400> SEQUENCE: 25
386 atgacgctgc agattatctc agcgggaagag ataatacagt ttcacgacag gctgctccgc 60
388 gtcacgcctg gcgttgccgg tatgcccgat ccggggcgtg ccgaagcgat aatgtatagg 120

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VERIFICATION SUMMARY

DATE: 04/27/2007

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L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date